



1   **Abstract:**

2   The present invention discloses a novel monolithic  
3   construction food container which can be heated in a  
4   microwave oven without distortion of its shape, without  
5   interfering with or overloading the microwave energy beam  
6   or the microwave radiant energy generation unit and without  
7   leakage even when the contained food reaches a boiling  
8   point. The food container comprises an impermeable cavity  
9   defined by a continuous seamless wall with a periphery,  
10   having no folded gussets and preferably polygonal in shape  
11   and a set of at least two flaps which are joined,  
12   preferably integrally and seamlessly, to the top peripheral  
13   portion of the cavity. The container is made of a  
14   thermoplastic polymeric material having a glass transition  
15   temperature of at least -(negative) 20 degrees Celsius  
16   and/or a Heat Distortion Temperature. , measured under a  
17   stress of 264 psi, in accordance with ASTM Standard Method  
18   No. D648, of at least 48 degrees Celsius.

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